Product datasheet

Specifications

trip unit MicroLogic 4.2 for ComPacT NSX 100/160/250 circuit breakers, electronic, rating 100A, 4 poles 4d

C1044V100

EAN Code: 3606481993854

Main

Range	ComPacT new generation
Range of product	ComPacT NSX100...250
Product or component type	Trip unit
Trip unit name	MicroLogic 4.2
Trip unit technology	Electronic
Range compatibility	ComPacT NSX160 ComPacT NSX100 ComPacT NSX250
Device application	Distribution
Poles description	4P
Protected poles description	3D + N/2 4D 3D
Neutral position	Left
Trip unit protection functions	LSoIR
Protection type	L : for overload protection (long time) So : for short time short-circuit protection with fixed delay I : for instantaneous short-circuit protection R : for earth-leakage protection
Trip unit rating	100 A at 40 °C
[Ue] rated operational voltage	440 V AC 50/60 Hz
Network type	AC
Network frequency	50/60 Hz
Circuit breaker mounting mode	Fixed

Complementary

Long-time pick-up adjustment type Ir (thermal protection)	Adjustable 9 settings
[Ir] long-time protection pick-up adjustment range	40...100 A
Long-time protection delay adjustment type tr	Fixed
[tr] long-time protection delay adjustment range	11 s at 7.2 x Ir 16 s at 6 x Ir 400 s at 1.5 x Ir
Neutral protection settings	0.5 x Ir (3D + N/2) 1 x Ir (4D) No protection (3D)
Thermal memory	20 minutes before and after tripping

Short-time protection pick-up adjustment type Isd	Adjustable
[Isd] Short-time protection pick-up adjustment range	1.5...10 x Ir
Short-time protection delay adjustment type tsd	Fixed
Instantaneous protection pick-up adjustment type Ii	Fixed
[Ii] instantaneous protection pick-up adjustment range	1500 A
Earth-leakage protection	Integrated
Earth-leakage protection class	Class A
Earth-leakage protection sensitity adjustment type IΔn	Adjustable
[IΔn] earth-leakage protection sensitivity adjustment range	0.03 A 0.1 A 0.3 A 0.5 A 1 A 3 A 5 A
Earth-leakage protection specific mode	OFF using the IΔn rotary switch
Earth-leakage protection time delay adjustement type Δt	Adjustable
[Δt] Earth-leakage protection time delay adjustment range	0 ms 60 ms 150 ms 500 ms 1 s
Zone selective interlocking ZSI	Without
Local signalling	Flashing LED (green) for ready to operate LED 105 % Ir (red) for overload LED 90 % Ir (orange) for overload Color indicator (yellow) for residual current

Environment

Standards	EN/IEC 60947-2
Electrical shock protection class	Class II
Pollution degree	3 conforming to IEC 60947-1
IP degree of protection	IP40 conforming to IEC 60529
Ambient air temperature for operation	-25…70 °C
Ambient air temperature for storage	-40…85 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	9.500 cm
Package 1 Width	11.000 cm
Package 1 Length	15.000 cm
Package 1 Weight	780.000 g
Unit Type of Package 2	S03
Number of Units in Package 2	10
Package 2 Height	30.000 cm

Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	8.276 kg
Unit Type of Package 3	P06
Number of Units in Package 3	80
Package 3 Height	78.210 cm
Package 3 Width	60.000 cm
Package 3 Length	80.000 cm
Package 3 Weight	72.000 kg

Logistical informations

Country of origin	CN

Contractual warranty

Warranty	18 months

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

Environmental Data explained ›

How we assess product sustainability ›

Environmental footprint

Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)	**21**
Environmental Disclosure	**Product Environmental Profile**

Use Better

Materials and Substances

Recycled metal content at CR level	**0**
EU RoHS Directive	**Compliant with Exemptions**
REACh Regulation	**REACh Declaration**
Halogen content performance	**Product contains halogen above thresholds**
Silicon free	**No**

Use Longer

Lifetime extension

Upgradeability	**No**

Use Again

Repack and remanufacture

Circularity Profile	**End of Life Information**
Take-back	**No**
WEEE	**The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins**